

Date: Sat, 18 Sep 93 04:30:01 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #274
To: packet-radio

Packet-Radio Digest Sat, 18 Sep 93 Volume 93 : Issue 274

Today's Topics:

 Differences between Amateur and Commercial TNC?
 Digipeater (2 msgs)
 ftp.demon.co.uk INCORRECT (2 msgs)
 I need info on getting started with packet radio
 Monitoring Packet?
 Question: Packet-radio <--> Internet-mail (2 msgs)
 TCP/IP with PK-232 ? (2 msgs)

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 17 Sep 1993 20:52:09 GMT
From: news.cerf.net!nic.cerf.net!wegrzyn@network.ucsd.edu
Subject: Differences between Amateur and Commercial TNC?
To: packet-radio@ucsd.edu

Hello. I am working with a couple of police departments in NorthEast
Mass. We are trying to connect both departments with a packet radio
system and Windows for Workgroup LANS.

We've applied for an 800MHz license, and started to look around for
some equipment. I went to the Ham Radio Outlet in Salem, NH and was
told that I would need some special software for the TNC -- it is
in the PK-90 -- something called 'LPAD.' When I asked what was the
difference between Amateur and Commercial TNCs (other then price),
they couldn't tell me. Does anyone out here have any idea why I can't
use an Amateur TNC in our system? Or what the difference is?

Many thanks for your time.... Chuck Wegrzyn.

Date: Fri, 17 Sep 1993 17:02:21 GMT
From: spool.mu.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!moe.ksu.ksu.edu!
hobbes.physics.uiowa.edu!newsrelay.iastate.edu!news.iastate.edu!jvp@decwrl.dec.com
Subject: Digipeater
To: packet-radio@ucsd.edu

In <1993Sep16.135907.1660@globv1.hacktic.nl> peter@globv1.hacktic.nl (Peter
Busser) writes:

>>Digipeating, as a mode, can be supported by most
>>netrom compatible nodes. Fortunately, it can also be disabled, as it
>>should be in virtually all cases.

>It isn't as efficient as NET/ROM, that's true. But it's better than nothing
>when there are not enough NET/ROM nodes to get where you want.

This is an over generalization. Net/Rom (and it's equivalents) is more
efficient in some cases, and less efficient in some cases. It depends on
the speed of the node, the amount of other traffic on the channel, and how
far (number of hops) you are going. For only one hop, digipeating can give
you greater throughput than net/rom in most cases.

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+-----+
| Jim Van Peurse - Dept of EE and CprE - Iowa State University |
| Ames, IA 50011 - internet: jvp@iastate or tools1.ee.iastate.edu |
+-----+

Date: Thu, 16 Sep 1993 17:28:23 GMT
From: swrinde!cs.utexas.edu!wupost!gumby!destroyer!newsrelay.iastate.edu!
news.iastate.edu!jvp@network.ucsd.edu
Subject: Digipeater
To: packet-radio@ucsd.edu

In <665V0B1w165w@nj8j.atl.ga.us> ben@nj8j.atl.ga.us (Ben Coleman) writes:

>jvp@tools1.ee.iastate.edu (Jim Van Peurse) writes:

>> In <01H2YIJ8KDDE91XURZ@delphi.com> WG0B@delphi.COM writes:
>> >and only at the destination station is the packet frame
>> >tested for accuracy.

>>
>> Right. Only the destination station does a CRC check and ack's the frame.

>No, half-right. Only the destination station acks the frame, true, but
>any TNC(whether acting as digipeater, end-point, node, or whatever) that
>receives a frame which fails the FCS check discards that frame - that
>frame never even gets to the point where a digipeater would check it for
>a request to digipeat. Any frame that a station digipeats has to have
>passed the FCS check before that station could have sent the digipeated
>frame.

Yep, you're right. Each digi does a frame integrity check. Oops. :)

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+-----+
| Jim Van Peurse - Dept of EE and CprE - Iowa State University |
| Ames, IA 50011 - internet: jvp@iastate or tools1.ee.iastate.edu |
+-----+

Date: Sun, 12 Sep 1993 09:07:09 +0000
From: pipex!demon!llondel.demon.co.uk!dave@uunet.uu.net
Subject: ftp.demon.co.uk INCORRECT
To: packet-radio@ucsd.edu

As is typical in such situations, my previous post is now out of date! In the upgrade on Saturday, the Demon team shifted a few things about.....

>Saturday to perform the upgrade. Please note that ftp.demon.co.uk is
>a CNAME which is likely to change from moment to moment. Also that
>gate.demon.co.uk is no longer the ftp server.

This morning it was responding with the address 158.152.1.68.

Incidentally, our first local X1J nodes have now been running a while with no hitches and passing a fair amount of traffic.

Dave
--

* G4WRW @ GB7WRW.#41.GBR.EU AX25 * Start at the beginning. Go on *
* dave@llondel.demon.co.uk Internet * until the end. Then stop. *
* g4wrw@g4wrw.ampr.org Amprnet * (the king to the white rabbit) *

Date: Sat, 11 Sep 1993 21:43:52 +0000
From: pipex!demon!llondel.demon.co.uk!dave@uunet.uu.net
Subject: ftp.demon.co.uk INCORRECT
To: packet-radio@ucsd.edu

In article <CD7BwJ.1Fn@acsu.buffalo.edu> oopdavid@ubvms.cc.buffalo.edu (D.RODMAN) writes:

>Someone posted an incorrect FTP address for X1J. There is no node above.
>Moreover, the *.demon.co.uk nodes on the listserver do not allow anonymous
>logins. Corrections, please!
>
ftp.demon.co.uk *does* exist because I put X1J on there. I would guess that you must have tried it today while the machine concerned was down for an upgrade. The address of the machine is 158.152.1.65 if you want to try again. AFAIK it is open for anonymous access to all - I logged in as anonymous quite happily.

Note that most *.demon.co.uk nodes are dial-up (anything 158.152.8.* and higher) users like me and so won't be accessible 24hrs.

Dave
--

```
*****
* G4WRW @ GB7WRW.#41.GBR.EU AX25      * Start at the beginning. Go on *
* dave@llondel.demon.co.uk Internet * until the end. Then stop. *
* g4wrw@g4wrw.ampr.org Amprnet * (the king to the white rabbit) *
*****
```

Date: Thu, 16 Sep 1993 17:42:12 GMT
From: butch!lmsc.lockheed.com!svanarts@uunet.uu.net
Subject: I need info on getting started with packet radio
To: packet-radio@ucsd.edu

koberg@spot.Colorado.EDU (Allen Koberg) writes:

>I'm interested in learning all about what Packet Radio is, what I
>need to get started, perhaps how to build my own stuff, what
>software is available, etc.

>In other words, everything and anything that's out there, information
>wise.

>Respond via e-mail to koberg@spot.colorado.edu

>Thanks mucho.

As much as I hate to say this:

ME TOO!

Just what the heck is packet radio anyway? Sounds intriguing!

rsvp to: svanarts@lmsc.lockheed.com

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      \      /\
      \    /__\
Scott \ /an  \rtsdalen
PP-ASEL
Aeronca Champion 7AC
N3115E
"The Boonie Bouncer"
Internet: svanarts@lmsc.lockheed.com
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Opinions expressed here do not necessarily reflect those of
Lockheed Missiles and Space Co., Inc. or it's management.

Date: 17 Sep 93 16:37:31 GMT
From: [ogicse!uwm.edu!math.ohio-state.edu!howland.reston.ans.net!darwin.sura.net!](mailto:ogicse!uwm.edu!math.ohio-state.edu!howland.reston.ans.net!darwin.sura.net!news.Vanderbilt.Edu!news@network.ucsd.edu)
news.Vanderbilt.Edu!news@network.ucsd.edu
Subject: Monitoring Packet?
To: packet-radio@ucsd.edu

I am new to packet and HAM. I do not have my Lic. yet, but am working on it.
I have, however, been monitoring packet in my local area and receive
many lines that look like this...

WB5BTZ-1>WA7KDC-2: <<RR5>>:
WB5BTZ-1>WA&KDC-2: <<I05>>:
To : JACK@ALLUS

Many times there is no other text associated with these callsigns.
Sometimes, however, I see entire conversations, but usually just callsigns.
Is there any way to monitor the actual conversation or are these people
just sending files or data that cannot be monitored?

Thanks...Win

PLZ e-mail to heagyws@ctrvax.vanderbilt.edu

=====

Date: Thu, 16 Sep 93 07:05:17 MST
From: galaxy.ucr.edu!library.ucla.edu!agate!howland.reston.ans.net!usc!
cs.utexas.edu!asuvax!ennews!stat!david@network.ucsd.edu
Subject: Question: Packet-radio <--> Internet-mail
To: packet-radio@ucsd.edu

erik@stack.urc.tue.nl (Erik Manders) writes:

> Is there a way to transfer messages from the packet-radio system to someone
> on the Internet and vice versa ?

How to Use the WB7TPY
Packet <--> Internet Gateway

First, some brief operational notes:

- (1) Messages must not contain any foul language, or commercial purpose.
- (2) Messages can only be sent to countries that the United States has a third-party agreement. All others will be destroyed.
- (3) Messages from the internet should be less than 5K in length.
No files should be sent.
- (4) If you have questions, please do not hesitate to contact me either on
packet radio: WB7TPY@WB7TPY.AZ.USA.NA -or-
Internet : david@stat.com -or-
Fidonet : David Dode11 @ 1:114/15
- (5) Have fun. Use the gateway as much as you like. That is what it is there for.

From Internet to Packet

Send mail to the internet address of:

gate@wb7tpy.ampr.org

The first line of text must contain a full packet address, preceded with the word "Packet:"

For example, mail to my packet address, would have the first line of text;

Packet: wb7tpy@wb7tpy.az.usa.na

From Packet to Internet

Send as private mail (never a bulletin) to the packet address of:

gate@wb7tpy.az.usa.na

The first line of text must contain a full domained internet address,
proceeded with the word "Internet:"

For example, mail to my internet address, would have the first line of text;

Internet: david@stat.com

Internet: david@stat.com

FAX: +1 (602) 451-6135

Bitnet: ATW1H@ASUACAD

FidoNet=> 1:114/15

Amateur Packet ax25: wb7tpy@wb7tpy.az.usa.na

Date: 16 Sep 1993 08:27:40 GMT

From: pipex!uknet!mcsun!sun4nl!tuegate.tue.nl!blade.stack.urc.tue.nl!
erik@uunet.uu.net

Subject: Question: Packet-radio <--> Internet-mail

To: packet-radio@ucsd.edu

Is there a way to transfer messages from the packet-radio system to someone
on the Internet and vice versa ?

Please reply by e-mail.

Peter

(peterk@stack.urc.tue.nl)

Date: Fri, 17 Sep 1993 17:01:09 GMT

From: wupost!darwin.sura.net!gatekeeper.es.dupont.com!esds01.es.dupont.com!
jhtaylor.wm.dupont.com!user@decwrl.dec.com

Subject: TCP/IP with PK-232 ?

To: packet-radio@ucsd.edu

I have helped a friend load NOS onto his PC and try to get launched into
the world of TCP/IP Packet Radio. Although I was able to connect to a
couple of nearby stations by both AX.25 and TCP/IP, in neither case would
it stay connected. I think that the problem has something to do with a

conflict between the parameters set in the software and the TNC which is a PK-232 (in KISS mode). This NOS software works successfully with an MFJ-1278 at my station which is why I suspect some TNC ideosynchrosy.

I would appreciate any advice about how to solve the problem.

Thanks in advance for the assistance....

John
- K3ZKA -

John H. Taylor
E. I. DuPont de Nemours & Company (Inc.)

The opinions expressed are soley those of the author
and do not represent a statement by the DuPont Company

Date: 17 Sep 93 21:25:38 GMT
From: psinnntp!wlnntp.psi.com!usenet@uunet.uu.net
Subject: TCP/IP with PK-232 ?
To: packet-radio@ucsd.edu

This may not be much help, but the pk-232 will run NOS ok. When in KISS mode, there are very few parameters that are set in the tnc. Most are set in NOS or from nos.

Perhaps by comparing the one that works with the one that doesn't you can figure out what's different...

-Seth

End of Packet-Radio Digest V93 #274
